https://www.ChinaStandards.net -> Buy the full version pdf -> Delivered by sales@ChinaStandards.net

ICS 73.100.40

D 93

Reserved No.: 25424-2009

AQ

PROFESSIONAL STANDARD

OF THE PEOPLE'S REPUBLIC OF CHINA

中华人民共和国行业标准

AQ 2021-2008

Safety Inspecting-Testing Specification of In-Service Friction Mine Hoist for Metal and Nonmetal Mines

金属非金属矿山在用摩擦式提升机安全检测检验规范

Issued on: November 19, 2008 Implemented on: January 1, 2009

Issued by the State Administration of Work Safety

https://www.chinastandards.net/standard/AQ2021-2008.html

https://www.ChinaStandards.net -> Buy the full version pdf -> Delivered by sales@ChinaStandards.net

Contents

Foreword I
1 Scope 1
2 Normative References 1
3 Basic Requirements of Inspection 2
4 Inspection Items and Technical Requirements 2
5 Criterion Rules 6
6 Testing Method and Instrument 7
7 Inspection Period 8

https://www.chinastandards.net/standard/AQ2021-2008.html

https://www.ChinaStandards.net -> Buy the full version pdf -> Delivered by sales@ChinaStandards.net

PROFESSIONAL STANDARD

OF THE PEOPLE'S REPUBLIC OF CHINA

中华人民共和国行业标准

AQ 2021-2008

Safety Inspecting-Testing Specification of In-Service Friction Mine Hoist for Metal and Nonmetal Mines

金属非金属矿山在用摩擦式提升机安全检测检验规范

1 Scope

This Standard specifies the safety inspecting-testing items, technical requirements, criterion rules and inspection period of the in-service friction mine hoist for metal and nonmetal mines.

This Standard is applicable to on-site inspecting-testing on in-service friction mine hoist for metal and nonmetal mines.

2 Normative References

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. For dated reference, subsequent amendments to (excluding correction to), or revisions of, any of these publications do not apply. However, the parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards. For undated references, the latest edition of the normative document referred to applies.

GB/T 13325-1991 Noise Emitted by Machinery and Equipment-Guideline for the Preparation of Test Codes of Engineering Grade Requiring Noise Measurements at the Operators or by Standers Position

https://www.chinastandards.net/standard/AQ2021-2008.html

https://www.ChinaStandards.net -> Buy the full version pdf -> Delivered by sales@ChinaStandards.net

3 Basic Requirements of Inspection

3.1 The tested in-service friction mine hoist for metal and nonmetal mines shall be able to operate normally.

3.2 The hoists with explosion-proof requirements used for shaft bottom shall meet the relevant regulations specified in GB 16423-2006.

3.3 Inspection shall be conducted by the safety production inspecting-testing institution qualified by the administration of work safety.

4 Inspection Items and Technical Requirements

4.1 Machine room or chamber

4 1.1 Machine room or chamber shall be equipped with lighting devices. White light shall be adopted for lighting. For the driver's position, the illuminance shall not be less than 100 lx, and emergency lighting devices shall be arranged.

4 1.2 The noise pressure level at the operating position shall not exceed 85 dB (A). When fail to meet the noise standard, the operators shall wear safety appliance.

4.1.3 The hoists (excluding outdoor installed head sheave) shall be installed in machine room with an environment temperature of 5℃~40℃ and without explosive medium or in the chamber with an environment temperature of 5℃~28℃, and the surrounding shall remain sufficient operation and maintenance space.

4.1.4 Fixed protective devices shall be installed for the exposed rotating parts (such as coupling, exposed gear, etc.) which affect safety.

4 1.5 For cage (conductor) hoisting people or materials used in vertical shaft, the number of people and the maximum load of the cage on each layer shall be indicated at the vertical shaft entrance.

4 1.6 For the machine room or chamber, the flammable, explosive and toxic materials shall not be stored in it, and fire extinguisher shall be arranged for it. The fire extinguisher shall be within the valid period and shall be available without any tools. The equipment shall be equipped with safety barriers and warning board.

4.1.7 In the machine room or chamber, the work post responsibility and operation specification shall be hung, the technical features and braking system drawing as well as the electrical control schematic diagram of the hoist shall be hung (or deposited).

4.2 Lifting device

4.2 1 Visually inspect the hoist's principal axis and friction wheel which shall be free from

https://www.chinastandards.net/standard/AQ2021-2008.html